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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------------------------|-------------|----------------------|-------------------------|------------------|
| 09/479,302 | 01/06/2000 | SUSAN C. KOSTER | 105100 | 2882 |
| 23490 | 7590 | 05/21/2004 | EXAMINER | |
| JOHN G TOLOMEI, PATENT DEPARTMENT | | | GRiffin, WALTER DEAN | |
| UOP LLC | | | ART UNIT | |
| 25 EAST ALGONQUIN ROAD | | | PAPER NUMBER | |
| P O BOX 5017 | | | 1764 | |
| DES PLAINES, IL 60017-5017 | | | DATE MAILED: 05/21/2004 | |

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | |
|------------------------------|-------------------|--------------------------|
| Office Action Summary | Application No. | Applicant(s) |
| | 09/479,302 | KOSTER ET AL. <i>eh9</i> |
| | Examiner | Art Unit |
| | Walter D. Griffin | 1764 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on ____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) 14-20 is/are allowed.
- 6) Claim(s) 1-4,8,9 and 11-13 is/are rejected.
- 7) Claim(s) 5-7 and 10 is/are objected to.
- 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 08 October 2002 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. ____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

| | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date ____. | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Reopening of Prosecution

Prosecution on the merits of this application is reopened on claims 1-20 considered unpatentable for the reasons indicated below.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4, 8, 9, and 11-13 are rejected under 35 U.S.C. 102(e) as being anticipated by Mohr et al. (US 5,993,642).

The Mohr reference discloses a composition that comprises a zeolite core such as an MFI zeolite core. This zeolite has a silica to alumina ratio of at least 2:1. This teaches ratios within the claimed range. The composition also comprises a second zeolite that coats the core. This teaching is deemed to disclose the claimed mantle. The second zeolite can be of the same type as the zeolite core. The zeolites used in the composition can also comprise gallosilicates (i.e., the zeolites contain framework gallium). Additionally, framework phosphorus is not present. Since the zeolites are MFI type zeolites, the zeolites would necessarily be characterized by the claimed formulas. The Mohr reference discloses that the composition preferably contains less than 10%

of a non-zeolite binder such as silica. Therefore, the composition can contain small amounts of silica binder. The catalyst can also contain non-framework metals such as those in the claimed groups. The disclosed composition can be used in hydrocarbon conversion reactions. See column 2, lines 61-67; column 3, lines 1-6 and 52-67; column 4, lines 1-43; column 6, lines 24-50; column 7, lines 18-65; column 8, lines 50-67; column 9, lines 1-24; and column 14, lines 33-46.

Allowable Subject Matter

Claims 5-7 and 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 14-20 are allowed.

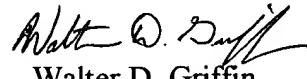
The following is a statement of reasons for the indication of allowable subject matter: The prior art of record does not disclose or suggest a composition as claimed or its use in which the mantle is boralite.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter D. Griffin whose telephone number is (571) 272-1447. The examiner can normally be reached on Monday-Friday 6:30 to 4:00 with alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Calderola can be reached on (571) 272-1444. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Walter D. Griffin
Primary Examiner
Art Unit 1764

WG
May 17, 2004